STUDY GUIDE - Atomic Structure

History of Atom.

Gold Foil Experiment and discovery of nucleus and proton

Atomic Structure

- Know the subatomic particles, their location, their charge, their relative mass
- Be able to calculate the # of
 - Protons
 - Neutrons (using Mass # and/or Atomic Mass)
 - Electrons

Atomic Mass, Atomic Number and Mass Number

- Understand what the difference is between them
- Be able to calculate an atomic mass from the percent abundance and mass of the isotopes of that element

Isotope

- Be able to write both forms of Isotope Notation
- Explain what the difference is between isotopes

Bom

- What it means for an ion to have a positive charge
- What it means for an ion to have a negative charge
- Be able to calculate the charge and the number of electrons in an ion from the charge

Definitions

Atom
Proton Mass number
Neutron Atomic mass
Electron Energy level
Nucleus Ion
Isotope Atomic Number

Atomic Structure Answer Key Study Guide

Arshad Iqbal

Atomic Structure Answer Key Study Guide:

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